

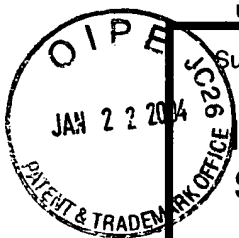
Please type a plus sign (+) inside this box



PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

3

## Complete if Known

Application Number	09/629,245
Filing Date	7/31/2000
First Named Inventor	Gopalakrishnan et al.
Group Art Unit	2721
Examiner Name	Not Known
Attorney Docket Number	C99-006

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
R		4,980,971		Bartschat et al.	1/1/91	
R		5,060,276		Morris et al.	10/22/91	
R		5,113,565		Cipolla et al.	5/19/92	
R		5,226,095		Okumura et al.	7/6/93	
R		5,268,999		Yokoyama	12/7/93	
R		5,343,028		Figarella et al.	8/30/94	
R		5,371,690		Engel et al.	12/6/94	
R		5,471,541		Burtnyk et al.	11/28/95	
R		5,495,537		Bedrosian, et al.	2/27/96	
R		5,497,451		Holmes	3/5/96	
R		5,500,906		Picard, et al.	3/19/96	
R		5,545,887		Smith, et al.	8/13/96	
R		5,602,937		Bedrosian et al.	2/11/97	
R		5,621,807		Eibert, et al.	4/15/97	
R		5,625,715		Trew, et al.	4/29/97	
R		5,627,912		Matsumoto	5/6/97	
R		5,627,915		Rosser, et al.	5/6/97	
R		5,663,809		Miyaza, et. al	9/2/97	
R		5,828,769		Burns	10/27/98	
R		5,850,469		Martin, et al.	12/15/98	
R		5,974,169		Bachelder	10/26/99	
R		6,307,951		Tanigawa et al.	10/2001	
R		5,023,916		Breu	6/1991	
R		4,843,631		Steinpinchler et al.	6/1989	

RECEIVED

JAN 28 2004

Technology Center 2600

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

Examiner Signature

*Jay Kim*

Date Considered

3/30/04

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

+

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
to a collection of information unless it displays a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**Complete if Known**

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(use as many sheets as necessary)*

Sheet

2

of

3

Application Number

09/629,245

**Filing Date**

7/31/2000

**First Named Inventor**

Gopalakrishnan et al.

## Group Art Unit

2721

Examiner Name

Not Known

Attorney Docket Number

C99-006

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

Examiner  
Signature

Date  
Considered

3/20/04

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box



PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



Substitute for form 1449B/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 3 of 3

## Complete if Known

Application Number	09/629,245
Filing Date	7/31/00
First Named Inventor	Gopalakrishnan et al.
Group Art Unit	2721
Examiner Name	Not Known
Attorney Docket Number	C99-006

RECEIVED

JAN 28 2004

Technology Center 260

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		COGNEX CORPORATION, Cognex 3000/4000/5000 Vision Tool, Revision 7.6, Chapter 4, Caliper Tool, 1996	
		COGNEX CORPORATION, Cognex 3000/4000/5000 Vision Tool, Revision 7.6, Chapter 5, Inspection, 1996	
		COGNEX CORPORATION, Cognex 4000/5000 SMD Placement Guidance Package, User's Manual Release 3.8.00, Chapter 7, Rectilinear Device Inspection, 1998	
		COGNEX CORPORATION, Cognex 4000/5000 SMD Placement Guidance Package, User's Manual Release 3.8.00, Chapter 8, Large-Leaded Device Inspection, 1998	
		COGNEX CORPORATION, Cognex 4000/5000 SMD Placement Guidance Package, User's Manual Release 3.8.00, Chapter 15, MFOV-LL Device Inspection, 1998	
		COGNEX CORPORATION, Cognex 3000/4000 SMD Tools Release 5.2, SMD 2, 1994	
		TIMOTHY S. NEWMAN, ANIL K. JAIN AND H.R. KESHAVAN, 3D CAD-Based Inspection I: Coarse Verification, pp. 49-52, IEEE, 1992	
		ANTHONY HOOGS AND RUZENA BAJCSY, Model-based Learning of Segmentations, pp. 494-499, IEEE, 1996	
		SHIMON ULLMAN, Aligning pictorial descriptions: An approach to object recognition, COGNITION, Volume 32, No. 3, pp. 193-254, August 1989	
		COGNEX CORPORATION, Cognex MVS-8000 Series, GDE User's Guide, Revision 1.1, April 7, 2000	

Examiner Signature		Date Considered	3/30/04
--------------------	--	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231